

**ABSTRACT**

A subject-matter of the invention is an adhesive composition, characterized in that it comprises an aqueous dispersion having a primary part, composed essentially of a gelatinized starch, and a secondary part, essentially comprising a nongelatinized starch and/or a swollen starch, in which the starch of the secondary part is a native legume starch and the starch of the primary part is optionally a native or modified legume starch, said legume starches having an amylose content of between 30 and 52%.

Another subject-matter of the invention is the process for employing such a composition, comprising its application, assembling of the parts and the drying, and meeting the requirements of modern and fast machines.